

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/002056

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G08G1/095 H05B33/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H05B G08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 298 869 A (OKUNO YASUO) 3 November 1981 (1981-11-03) column 16, line 53 - column 17, line 12; figure 6b	1-5
X	US 4 050 834 A (LEE JOHN H) 27 September 1977 (1977-09-27) column 5, line 23 - line 61; figure 7	1-5
X	US 4 743 897 A (PEREZ RICARDO) 10 May 1988 (1988-05-10) column 2, line 49 - column 3, line 42; figure 1	6-10
A	WO 01/01385 A (REYMOND WELLES) 4 January 2001 (2001-01-04) figure 32	1-10

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

5 October 2004

Date of mailing of the international search report

19/10/2004

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 4298869	A	03-11-1981	JP DE	55006687 A 2925692 A1		18-01-1980 10-01-1980
US 4050834	A	27-09-1977	DE FR GB JP JP	2704789 A1 2340410 A1 1577340 A 52115700 A 60012680 B		11-08-1977 02-09-1977 22-10-1980 28-09-1977 02-04-1985
US 4743897	A	10-05-1988	CA GB	1244871 A1 2182189 A ,B		15-11-1988 07-05-1987
WO 0101385	A	04-01-2001	WO AU	0101385 A1 4850099 A		04-01-2001 31-01-2001